

## INDEX TO VOL. VII.

**ACIDALBUMIN**, quantitative determination, 460.  
 Adrenalin, 359.  
 Albumoid of bone and cartilage, 340.  
 ALDRICH, T. B. Is adrenalin the active principle of the suprarenal gland? 359.  
 Annelid muscle, 155.  
 Annelid parthenogenesis, 301.  
 Auricle, filling of, 435.

**BEEBE, S. P.** A note on the influence of heat on enzymes, 295.  
 Blood, viscosity, 243.  
 Blood-flow in veins, 435.  
 BEDINGTON, R. A. Some physiological characteristics of annelid muscle, 155.

**CELL-NUCLEUS**, oxidative properties, 412.  
 Ciliary movement, 25, 62.  
 Colloidal solutions, osmotic properties, 201.  
 Contact irritability, 320.

**DIGESTION** of elastic tissue proteids, 111.  
 Digestion, pancreatic, 387.

**EGG**, development affected by potassium cyanide and lack of oxygen, 56.  
 Elastic tissue proteids, 93.  
 Elastin, 93.  
 Electrolytes and non-conductors affect rigor, 1.  
 Enzymes, influenced by heat, 295.

**FATIGUE**, muscular, 76.  
 Fats, combination with proteid, 331.  
 FISCHER, M. H. Further experiments on artificial parthenogenesis in annelids, 301.  
 FOULIN, O. On the quantitative determination of total sulphates in urine, 152.  
 FOULIN, O., and P. A. SHAFFER. On phosphate metabolism, 135.  
 Formaldehyde, combination with WHITE's peptone, 220.

**GIES, W. J.** See HAWK and GIES, 346, 460.  
 GIES, W. J. See POSNER and GIES, 331.  
 GIES, W. J. See RICHARDS and GIES, 93.  
 Glomerular secretion, 284.  
 Goose-skin, voluntary, 369.

**HAWK, P. B., and W. J. GIES.** On the composition and chemical properties of osseodalbumoid, with a comparative study of the albumoid of cartilage, 340.  
 HAWK, P. B., and W. J. GIES. On the quantitative determination of acidalbumin in digestive mixtures, 460.  
 Heat rigor, 1.  
 HILL, J. C. See MAXWELL and HILL, 409.  
 HOOKER, D. R. See MENDL and HOOKER, 380.  
 HORTH, T. Ergographic studies in muscular soreness, 76.

**ION-PROTEID** compounds, 25.  
 Ions, antitoxic effect, 465.

**JONES, W., and WHIFFLE, G. H.** The nucleoproteid of the suprarenal gland, 423.

**LIGAMENT** extractive, 93.  
 LILLIE, R. S. On the effects of various solutions on ciliary and muscular movement in the larvae of *Arenicola* and *Polygordius*. — II., 25.  
 LILLIE, R. S. On the oxidative properties of the cell nucleus, 412.  
 Lymph-flow, post mortem, 380.  
 Lymph formation, 284.  
 Lymphagogues, 380.  
 LYON, E. P. Effects of potassium cyanide and of lack of oxygen upon the fertilized eggs and the embryos of the sea-urchin (*Arbacia punctulata*), 56.

**MAXWELL, S. S.** A case of voluntary erection of the human hair and production of cutis anserina, 369.

- MAXWELL, S. S., and J. C. HILL. Note upon the effect of calcium and of free oxygen upon rhythmic contraction, 409.
- Medusa, nervous system, 181.
- MENDEL, L. B., and D. R. HOOKER. On the lymphagoc action of the strawberry, and on post-mortem lymph flow, 380.
- MENDEL, L. B., and L. F. RETTGER. Experimental observations on pancreatic digestion and the spleen, 387.
- Metabolism of phosphates, 135.
- Milk film, 325.
- MOORE, A. On the effects of solutions of various electrolytes and non-conductors upon rigor mortis and heat rigor, 1.
- MOORE, A. On the power of  $\text{Na}_2\text{SO}_4$  to neutralize the ill effects of  $\text{NaCl}$ , 315.
- MOORE, B., and W. H. PARKER. The osmotic properties of colloidal solutions, 261.
- Mucoid, 93.
- Muscle, affected by potassium and calcium ions, 199.
- Muscle, Annelids, 155.
- Muscle, contact irritability, 320.
- Muscular movement in larva, 25.
- Muscular soreness, 76.
- NEILSON, H. Further experiments on the antitoxic effect of ions, 405.
- Nucleoproteid of suprarenal gland, 423.
- OPITZ, R. BURTON. A comparative study of the viscosity of the blood, 243.
- OPITZ, R. BURTON. The flow of the blood in the external jugular vein, 435.
- Osmosis of colloidal solutions, 261.
- Oxidation, cellular, 412.
- Oxygen, lack of, affects development, 56.
- PANCREAS, physiological relation to spleen, 387.
- Parker, W. H. See MOORE and PARKER, 261.
- Parthenogenesis in Annelids, 301.
- Phosphate metabolism, 135.
- POSSNER, E. R., and W. J. GIES. Experiments to determine the possible admixture or combination of fat or fatty acid with various proteid products, 331.
- RETTGER, L. F. The formation of film on heated milk, 325.
- RETTGER, L. F. See MENDEL and RETTGER, 387.
- Rhythmic contraction, affected by calcium and oxygen, 409.
- RICHARDS, A. N., and W. J. GIES. Chemical studies of elastin, mucoid, and other proteids in elastic tissue, with some notes on ligament extractives, 93.
- Rigor mortis, 1.
- SHAFFER, P. A. See FOLIN and SHAFFER, 135.
- Sodium chloride neutralized by sodium sulphate, 315.
- Sodium sulphate neutralizes sodium chloride, 315.
- SOLLMANN, T. The combination of formaldehyde with WHITE'S peptone, 220.
- SOLLMANN, T. WHITE'S peptone: its dissociation, and its combination with acid and alkali, 203.
- Spleen, relation to pancreas, 387.
- Strawberry, lymphagoc action, 380.
- Sulphates, quantitative determination in urine, 152.
- Suprarenal gland, active principle, 359.
- Suprarenal gland, nucleoproteid, 423.
- URINE, determination of sulphates, 152.
- VISCOSITY of blood, 243.
- WHIPPLE, G. H. See JONES and WHIPPLE, 423.
- WHITE'S peptone, 203, 220.
- YERKES, R. M. A contribution to the physiology of the nervous system of the Medusa *Gonionema murbachii*. Part II. The physiology of the central nervous system, 181.
- ZOETHOUT, W. D. The effects of potassium and calcium ions on striated muscle, 199.
- ZOETHOUT, W. D. On the contact irritability of muscles, 320.

